PTO/SB/68 (04-01)

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

REQUEST FOR ACCESS TO AN APPLICATION UNDER 37 CFR 1.14(e) In re Application of Application Number Filed MAY 0 9 2002 Examiner File Information Unit Assistant Commissioner for Patents Washington, DC 20231 I hereby request access under 37 CFR 1.14(e)(2) to the application file record of the above-identified ABANDONED Application, which is not within the file jacket of a pending Continued Prosecution Application (CPA) (37 CFR 1.53(d)) and is: (CHECK ONE) (A) referred to in: United States Patent Application Publication No. 5580, 984, page ____, line____, United States Patent Number ___, column ____, line ____, or an International Application which was filed on or after November 29, 2000 and which designates the United States, WIPO Pub. No. ______, page ____, line_ ___. (B) referred to in an application that is open to public inspection as set forth in 37 CFR 1.11(b) or 1.14(e)(2)(i), i.e., Application No._____, paper No. ____, page ____, line ____. 2. I hereby request access under 37 CFR 1.14(e)(1) to an application in which the applicant has filed an authorization to lay open the complete application to the public. FOR PTO USE ONLY Typed or printed name Approved by: Unit:

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



United States Patent [19]

Kempf et al.

[11] Patent Number:

5,580,984

[45] Date of Patent:

Dec. 3, 1996

[54] RETROVIRAL PROTEASE INHIBITING COMPOUNDS

[75] Inventors: Dale J. Kempf, Libertyville; Daniel W. Norbeck, Crystal Lake; Hing L. Sham;

Chen Zhao, both of Gurnee; Thomas J. Sowin, Grayslake, all of Ill.; Daniel S. Reno, Kenosha, Wis.; Anthony R. Hainka Bad Gira Ill.

Haight, Park City, Ill.

[73] Assignee: Abbott Laboratories, Abbott Park, Ill.

[21] Appl. No.: 412,253

[22] Filed: Mar. 28, 1995

Related U.S. Application Data

[60] Division of Ser. No. 158,587, Dec. 2, 1993, abandoned, which is a continuation-in-part of Ser. No. 998,114, Dec. 29, 1992, abandoned, which is a continuation-in-part of Ser. No. 777,626, Oct. 23, 1991, abandoned, which is a continuation-in-part of Ser. No. 746,020, Aug. 19, 1991, abandoned, which is a continuation-in-part of Ser. No. 616,170, Nov. 20, 1990, abandoned, which is a continuation-in-part of Ser. No. 518,730, May 9, 1990, Pat. No. 5,142,056, which is a continuation-in-part of Ser. No. 405,604, Sep. 8, 1989, abandoned, which is a continuation-in-part of Ser. No. 405,604, Sep. 8, 1989, abandoned, which is a continuation-in-part of Ser. No. 355,945, May 23, 1989, abandoned.

[51]	Int. Cl. ⁶	C07D 277/28
		548/204; 548/235; 564/8
[58]	Field of Search	564/8; 548/204,
• •		548/235

[56]

References Cited

U.S. PATENT DOCUMENTS

5,142,056 8/1992 Kempf et al. 546/256

5,354,866 10/1994 Kempf et al. 546/256

FOREIGN PATENT DOCUMENTS

337714	10/1989	European Pat. Off
346847	12/1989	European Pat. Off
357332	3/1990	European Pat. Off
361341	4/1990	European Pat. Off
356223	4/1990	European Pat. Off
362002	4/1990	European Pat. Off
WO89/10752	11/1989	WIPO .
WO90/00399	1/1990	WIPO.

OTHER PUBLICATIONS

Moore, Biochem. Biophy. Res. Commun. 159 420 (1989). Billich, J. Biol. Chem. 263 1790S (1988). Richards, FEBS Lett., 247 113 (1989). Miller, Science 246 1148 (1989). Meek, Nature 343 90 (1990). McQuade, Science 247 454 (1990).

Primary Examiner—Jane Fan
Attorney, Agent, or Firm—Steven R. Crowley

[57]

ABSTRACT

A retroviral protease inhibiting compound of the formula:

$$R_1 \xrightarrow{R_2} O \xrightarrow{R_3} H \xrightarrow{H} X \xrightarrow{R_{4\sigma}} O \xrightarrow{R_6} R_7$$

is disclosed.

5 Claims, No Drawings